

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number  
**WO 2005/041936 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 9/18,**  
**A61P 35/00**

**Hin, Robert** [SG/SG]; Psi Oncology Pty Ltd, Wong Tan  
& Molly Lim, 80 Robinson Rd #17-02, SG-068898 (SG).

(21) International Application Number:  
PCT/GB2004/004442

(74) Agents: **EVANS, Jacqueline, G., V. et al.**; Greaves Brew-  
ster LLP, Indigo House, Cheddar Business Park, Wedmore  
Road, Cheddar BS27 3EB (GB).

(22) International Filing Date: 21 October 2004 (21.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0324483.7 21 October 2003 (21.10.2003) GB  
0324482.9 21 October 2003 (21.10.2003) GB

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(71) Applicants (*for all designated States except US*):  
**PSIMEDICA LIMITED** [GB/GB]; Malvern Hills Science  
Park, Geraldine Road, Malvern, Worcestershire  
WR14 3SZ (GB). **PSI ONCOLOGY PTE LTD** [SG/SG];  
Wong Tan & Molly Lim, 80 Robinson Rd #17-02,  
SG-068898 (SG).

(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **SAFFIE, Roghieh**  
[GB/GB]; Psimedita Limited, Malvern Hills Science Park,  
Geraldine Road, Malvern, Worcestershire WR14 3SZ  
(GB). **CANHAM, Leigh, Trevor** [GB/GB]; Psimedita  
Limited, Malvern Hills Science Park, Geraldine Road,  
Malvern, Worcestershire WR14 3SZ (GB). **DORMER,**  
**Jonathan, Charles** [GB/GB]; Psimedita Limited, Malvern  
Hills Science Park, Geraldine Road, Malvern, Worces-  
tershire WR14 3SZ (GB). **CHOW, Pierce, Kah, Hoe**  
[SG/SG]; Psi oncology Pty Ltd, Wong Tan & Molly Lim,  
80 Robinson Rd #17-02, SG-068898 (SG). **KAI, Zhang**  
[SG/SG]; Psi Oncology Pty Ltd, Wong Tan & Molly Lim,  
80 Robinson Rd #17-02, SG-068898 (SG). **NG TECK,**

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments*

(88) Date of publication of the international search report:  
4 August 2005

*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: METHODS OF TREATMENT OF CANCER USING A COMPOSITION COMPRISING A CYTOTOXIC DRUG AND  
A POROUS CARRIER MATERIAL

(57) Abstract: The invention provides the use of a pharmaceutical compositions comprising a cytotoxic drug and a porous carrier  
material in methods for the treatment of cancer by chemo-brachytherapy, in particular intra-tumoural administration.

WO 2005/041936 A3